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 US Pre-Grant Publication Full-Text Database  
 JPO Abstracts Database  
 EPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

15 and lutein

**Refine Search:****Clear****Search History****Today's Date: 4/10/2001**

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USPT,PGPB,JPAB,EPAB,DWPI	15 and lutein	1	<u>L6</u>
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USPT,PGPB,JPAB,EPAB,DWPI	12 and 13	6	<u>L4</u>
USPT,PGPB,JPAB,EPAB,DWPI	(dog or cat or pet) adj food	3747	<u>L3</u>
USPT,PGPB,JPAB,EPAB,DWPI	lutein\$	3522	<u>L2</u>
EPAB	lutein	13	<u>L1</u>

L10 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1993:100907 CAPLUS

DOCUMENT NUMBER: 118:100907

TITLE: Immunomodulating and anticarcinogenic activity of

**carotenoids**

AUTHOR(S): Sergeyev, A. V.; Korostylev, S. A.; Sherenesheva, N. I.

CORPORATE SOURCE: Vses. Onkol. Nauchn. Tsentr., Moscow, Russia

SOURCE: Vopr. Med. Khim. (1992), 38(4), 42-5

CODEN: VMDKAM; ISSN: 0042-8809

DOCUMENT TYPE: Journal

LANGUAGE: Russian

AB Dietary **carotenoids** of a dog-rose prepn. as well as .beta.-carotene affected humoral and cellular immunity in humans and lab. animals in a dose-dependent manner and showed a marked anticarcinogenic effect in patients with colon cancer or animals with carcinogen-induced stomach neoplasm.

L10 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2001 ACS

ACCESSION NUMBER: 1998:13321 CAPLUS

DOCUMENT NUMBER: 128:149094

TITLE: **Carotenoids**: biology and treatment

AUTHOR(S): Rock, Cheryl L.

CORPORATE SOURCE: DEPARTMENT OF FAMILY AND PREVENTIVE MEDICINE, CANCER  
PREVENTION AND CONTROL, UNIVERSITY OF CALIFORNIA,  
LAJOLLA, CA, 92093-0901, USA

SOURCE: Pharmacol. Ther. (1997), 75(3), 185-197

CODEN: PHTHDT; ISSN: 0163-7258

PUBLISHER: Elsevier Science Inc.

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

AB A review with many refs. **Carotenoids** are pigments found in  
plants and microorganisms, but not synthesized in animals. Fewer than  
10%

of the **carotenoids** can function as vitamin A precursors in  
mammals. **Carotenoids** and retinoids have chem. and metabolic  
similarities and differences, and some overlap in biol. activities.

**Carotenoids** in tissues reflect food choices. **Carotenoids**  
exhibit biol. activities as antioxidants, affect cell growth regulation,  
and **modulate** gene expression and **immune** response.

Epidemiol. evidence links higher **carotenoid** intakes and tissue  
conchs. with reduced cancer and cardiovascular disease risk, although  
results from clin. trials do not support .beta.-carotene supplementation  
as a strategy to reduce risk. Continued research in this area is likely  
to stimulate better intervention strategies with clin. and public health  
applications.

(FILE 'HOME' ENTERED AT 15:30:57 ON 10 APR 2001)

FILE 'CAPLUS, FSTA, VETU' ENTERED AT 15:33:20 ON 10 APR 2001

L1	3749 S LUTEIN
L2	143295 S DOG OR CAT
L3	18 S L1 AND L2
L4	15 DUPLICATE REMOVE L3 (3 DUPLICATES REMOVED)
L5	4 S L4 AND PY<1998
L6	455 S PET FOOD
L7	1 S L6 AND L1
L8	37549 S PET
L9	2 S L8 AND L1
L10	1 S L9 NOT L7